

Agricultural.

Scientific Farming.

"Every plant develops and perfects itself by natural laws. When you have supplied all the necessary conditions for plant growth, you have done all that you can. This is a scientific culture. It is as simple as rolling off a log. If people had known it was so simple they would have had it long ago."

Thus discoursed an aged friend, a man of learning and experience in our hearing, not many days since. Really, then farmers have been practicing scientific farming to a greater extent than many of them are aware of. Three-fourths of our farmers are ready on occasion, to scoff at and ridicule the idea of scientific farming, and yet so far as they have farmed intelligently and successfully, they may be said to have farmed scientifically for they have given their crops the necessary conditions for development.

Every farmer who plants corn knows that he should first have his land in the tith, deep and mellow; he should plant the seed at a certain depth to secure the necessary warmth and moisture for his germination, and at certain distances apart to give the plants sufficient room for growth, and that during growth the land should be kept clean and mellow. His observation has taught him that these are conditions necessary for the growth and development of the plants, or the production of a good crop. They are facts understood and comprehended by his mind, hence scientific. A very few farmers have pursued their observations a little farther, and found that by selecting the best grains from the best ears, and from the best stalks and giving them extra cultivation for the purpose of raising the best seed they have been able to increase the yield to fifty or one hundred fold.

Scientific farming is that kind of farming which is based upon knowledge, truth, and understood facts. The more knowledge a farmer can bring to bear upon his operations, the more facts he comprehends, pertinent to his business the more thoroughly scientific will be his farming, and of course the more successful. There have been examples of theoretical farming not based upon facts, or guided by experience, and erroneously called scientific farming; but there is nothing to merit ridicule in scientific farming, for nearly every farmer practices it in a greater or less degree.

The horticulturist, by studying the character and wants of plants, by careful cultivation, by hybridization, etc., have developed new varieties, and otherwise accomplished results truly wonderful, and adding immensely to the interest and profits of their branch of farming. They are scientific cultivators. Yet there are some successful horticulturists who can barely read and write, but they study, think, and observe carefully. If they do not originate improvements, they at least inform themselves of those made by others, and appropriate the advantages. Without this, the horticulturist of the present day cannot attain even moderate success, compared with others. The same is true in regard to the general farmer, though perhaps in a less marked degree. It is true that the truly scientific farmer is in all respects the most successful, while the old fogies barely live, or if they make something more it is more by luck than by the amount of knowledge they apply to their business.

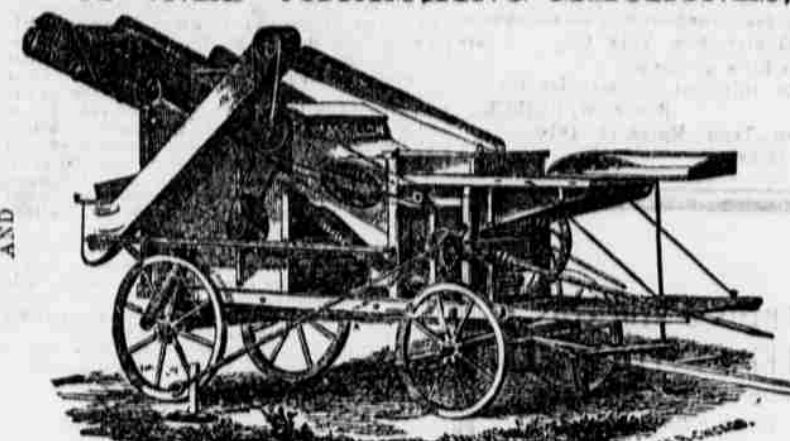
The most essential requisite in scientific farming is careful observation, with a knowledge of what and how to observe. As an aid to such knowledge books and papers are essential. From these may be learned the observation and experience of others, the results of experiments, etc. Without appropriating the knowledge gained by others, a man can make but very slow progress in any business more especially in farming. In no other way can such knowledge be so readily and completely gained as from books and the agricultural papers, the latter being the proper repositories for a record of facts, observations, etc., of almost daily occurrence.—*Journal of Agriculture.*

Manning Meadows.

Although grass is said not to exhaust the soil, except slowly, there is abundant evidence for the belief that meadows must be mowed occasionally. Mr. Plate, a farmer of Pennsylvania, in giving his system of management, writes as follows:

"My land is adapted to all kinds of grain, and to timothy and clover. My practice is, when I sow a piece of grass not to plow it again in less than eight years, and I frequently let it lie a much longer time. I have a meadow now which has been mowed for sixteen successive years, and it never was better than now. In fact, my meadows, under the right treatment, grow better as they grow older."

"I do it by returning to a meadow all the manure the hay made that was taken from it, and sowing a bushel of gypsum per acre each year. In that way, the yield of grass is heavier and finer, and richer as the sod thickens. I use manure only for top dressing the meadows; in that way, I get double price for it. It produces as much weight of grass as it would in grain, and also reproduces itself again on the turf."

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Calisyra or King's Bark was unknown until the middle of the 17th century. Humboldt makes favorable mention of its febrifuge qualities as an antidote to Fever and Ague, Intermittent and Malarious Fevers, in his extensive South American travels.

In 1640 it was used by the Jesuits, who alone at that time possessed the secret of its wonderful tonic properties, and it was sold by them for its own weight in silver. In 1653, eighteen years after, Sir John Talbot employed it with great success in France in the treatment of Fever and Ague, Dyspepsia, Nervous Affections, Loss of Appetite, Weakness and Debility, Palpitation of the Heart, Diarrhoea, etc. In 1679 he sold the secret of its origin to Louis XIV, by whom it was divulged. It is now the all important ingredient in Drake's PLANTATION BITTERS, and preserved as it is in pure St. Croix Rum, makes a tonic of rare merit, and one that should be upon the side-board of every family. Messrs. P. H. Drake & Co., the sole proprietors of the celebrated PLANTATION BITTERS, are the largest importers of Calisyra Bark in America. The Bark is gathered and cured under the immediate supervision of an agent sent out to Brazil, expressly for that purpose, and aside from a few thousand pounds which are sold to the manufacturers of Quinine, is all used in the preparing of these Bitters, to which they are indebted for their wonderful success as a tonic. The above cut represents the natives in their own native forest gathering the Bark. 1893 Jan 15 mol 12—G.P.R. & Co.

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MISCELLANEOUS.

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These three-fourths of the labor and cost, and pay for themselves both in money and convenience. Let every young lady learn to use them, and every married one keep them in her house.—*New Orleans Picayune.*

An excellent Washing Machine. We have tried it. The clothes wringer is very superior. A good hand will wash a large number of pieces in a few hours.—*St. Louis Globe-Democrat.*

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"We would not part with it for anything, and we are compelled to do without it."—*Morgantown (W. Va.) Post.*

"We have one, and speak from observation. It works admirably. In one year it will pay for itself."—*St. Louis Globe-Democrat.*

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"Far superior to any apparatus for washing clothes ever invented, and an indispensable institution in every family."—*St. Louis Globe-Democrat.*

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